

STEREO MOC Status Report  
Time Period: 2012:009 - 2012:015

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
  - On day 009, during the DSS-54 support, turbo decoder lock was lost briefly at 0907z. This anomaly resulted in the loss of two frames of SSR data. See DR# N107866 for more information.
  - On day 011, during the DSS-54 support, turbo decoder lock was lost briefly at 0945z. This anomaly resulted in the loss of two frames of SSR data. See DR# N107873 for more information.
  - On day 012, during the DSS-43 support, real-time telemetry was lost for 12 minutes beginning at 0149z due to a DCD anomaly. The on-line DCD was reconfigured and real-time telemetry was received again at 0201z. All SSR data was recovered. See DR# N107877 for more information.
  - On day 012, during the DSS-15 support, real-time telemetry was lost for 12 minutes beginning at 1623z due to an incorrectly specified SOE configuration by the project. Once the correct downlink settings were configured, telemetry lock was re-established at 1635z. SSR pointers were repositioned and all SSR data was recovered. See DR# G112257 for more information.
  - On day 014, during the DSS-34 support, turbo decoder lock was lost intermittently at 0126z, 0203z and again at 0253z. This anomaly resulted in the loss of 11 frames of SSR data. A DR has been requested.
  - On day 015, the SECCHI SSR1 science partition reached 100% full beginning at 1401z for 33 minutes due to a cumulative effect of ground anomaly on day 012 and insufficient track time.
2. The following spacecraft/instrument events occurred during this week:

- On day 010, the 20<sup>th</sup> SECCHI stepped calibration, for the midpoint in the orbit, was executed at 0240z.
- On day 012, the 15<sup>th</sup> HGA Calibration was successfully executed at 1913z.
- On day 012, a flight software patch was loaded to the IMPACT HET instrument to adjust the beacon packet rate mode.
- The average daily SSR playback volume for Ahead was 4.3 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 010, during the DSS-54 support, while reconfiguring the downlink after the HGA calibration, real-time telemetry was lost for 13 minutes beginning at 1733z due to a telemetry processor error. DCC2 was brought on-line and telemetry lock was re-established at 1746z. All SSR data was recovered. See DR# M106602 for more information.
- On day 011, during the DSS-65 support, turbo decoder lock was lost briefly at 1623z. This anomaly resulted in the loss of three frames of SSR data. See DR# N107880 for more information.
- On day 013, for the DSS-25 support, initial telemetry lock was delayed 25 minutes due to an antenna pointing anomaly. The alarm was cleared and telemetry lock was established at 2225z. SSR pointers were repositioned and all SSR data was recovered. See DR# G112259 for more information.
- On day 015, during the DSS-25 support, turbo decoder lock was lost briefly at 0023z. This anomaly resulted in the loss of one frame of SSR data. See DR# N107889 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 010, the 15<sup>th</sup> HGA Calibration was successfully executed at 1626z.
- On day 012, a flight software patch was loaded to the IMPACT HET instrument to adjust the beacon packet rate mode.
- The average daily SSR playback volume for Behind was 4.0 Gbits during this week.